

CD/2881 *on*

PTO/SB/21 (modified)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Rev. 10/95

U.S. Department of Commerce
Patent and Trademark Office

Application Number **10/087,408**

Filing Date **March 1, 2002**

First Named Inventor **Xiaodong Huang**

Group Art Unit Number **2881**

Examiner Name **Not yet known**

Total Number of Pages in This Submission

5*

Attorney Docket Number **22920-06460**

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Signature:

Attorney/Reg. No.:

Edward A. Van Gieson / Reg. No.: 44,386

Dated:

11/5/2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Xiaodong Huang, Andreas Stintz, Kevin Malloy, Guangtian Liu, Luke Lester and Julian Cheng

APPLICATION NO.: 10/087,408

FILING DATE: March 1, 2002

TITLE: Quantum Dot Vertical Cavity Surface Emitting Laser

EXAMINER: Not yet known

GROUP ART UNIT: 2881

ATTY. DKT. NO.: 22920-06460

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INFORMATION DISCLOSURE STATEMENT
Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449/PTO-8A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

- before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
 - Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
 - each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - no item of information contained in this Information Disclosure Statement was cited in a communication from a

foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. [APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

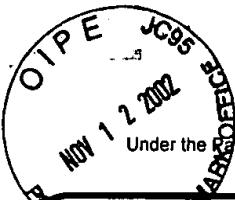
Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
XIAODONG HUANG, ANDREAS STINTZ,
KEVIN MALLOY, GUANGTIAN LIU, LUKE
LESTER AND JULIAN CHENG

Dated: November 5, 2002

By: 

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

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of

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<i>Complete if Known</i>	
Application No.	10/087,408
Filing Date	March 1, 2002
First Named Inventor	Xiaodong Huang
Art Unit	2881
Examiner Name	Not yet known
Attorney Docket Number	22920-06460

U.S. PATENT DOCUMENTS

		Document No.		
Examiner Initials*	Cite No. ¹	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A	US-5,541,949	07/30/1996	Bhat et al.
	B	US-5,543,354	08/06/1996	Richard et al.
	C	US-5,557,627	09/17/1996	Schneider, Jr. et al.
	D	US-5,710,436	01/20/1998	Tanamoto et al.
	E	US-5,714,765	02/03/1998	Noetzel et al.
	F	US-5,881,086	03/09/1999	Miyazawa
	G	US-5,953,356	09/14/1999	Botez et al.
	H	US-6,117,699	09/12/2000	Lemoff et al.
	I	US-6,177,684	01/23/2001	Sugiyama
	J	US-6,285,704	09/04/2001	Kullander-Sjoberg et al.
	K	US-6,329,668	12/11/2001	Razeghi

FOREIGN PATENT DOCUMENTS

		Foreign Patent Document			
Examiner Initials*	Cite No. ¹	Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	L	U.S. Patent Application Publication, US 2001/0050934, December 13, 2001; Choquette et al.	

22920-06460/DOCS/1308478.1

Examiner Signature		Date Considered	
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